SEG SR022

MODEL

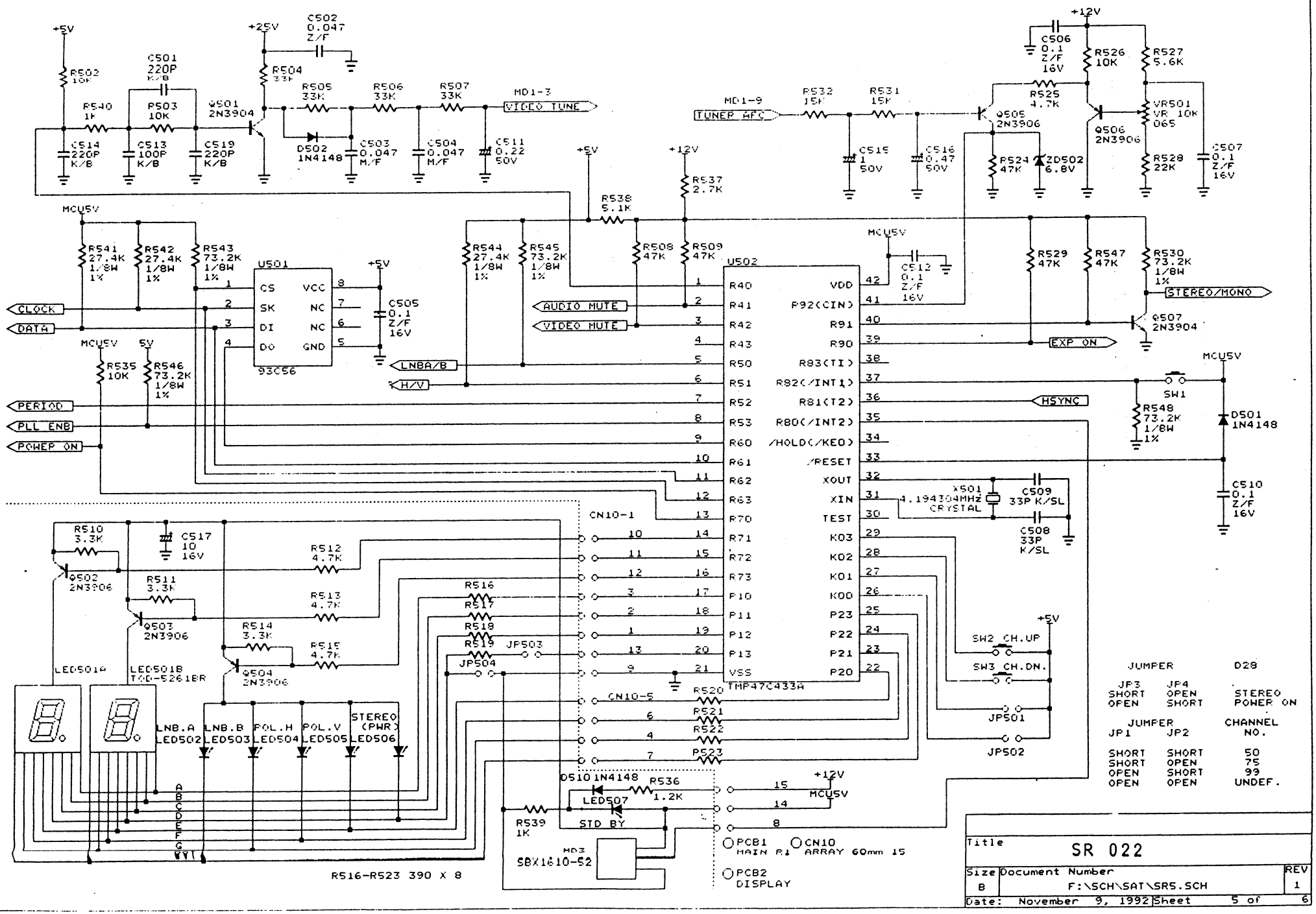
SERVICE MANUAL

SATELLITE RECEIVER SR022 Bill of Material DATE: 16-Nov-92

PART NO.	DESCRIPTION			QTY	Reference
					C223,C226,C227,C230,C236, C238,C239,C243
04FHM4730000	CER Z5V	50V +80-20%	0.047 uF	9	C224,C225,C228,C232,C234, C241,C246,C407,C502
04GHH1010000	CER Y5P	50V ±10%	100 pF	1	C513
04GHH2210000	CER Y5E	50V ±10%	220 pF	3	C501,C514,C519
04GHH3310000	CER Y5E	50V ±10%	330 pF	1	C131
04GHH4710000	CER Y5E	50V ±10%	470 pF	2	C335,C336
04GHH6810000	CER Y5E	50V ±10%	680 pF	2	C333,C334
04GHH1020000	CER Y5P	50V ±10%	1000 pF	1	C133
04GHH1520000	CER Y5P	50V ±10%	1500 pF	2	C330,C331
04HHH1000000	CER SL	50V ±10%	10 pF	3	C209,C240,C244
04HHH1800000	CER SL	50V ±10%	18 pF	1	C201
04HHH3300000	CER SL	50V ±10%	33 pF	4	C215,C216,C508,C509
04HHH1010000	CER SL	50V ±10%	100 pF	3	C211,C601,C602
04HHH1210000	CER SL	50V ±10%	120 pF	2	C326,C329
04IHG1800000	CER NPO	50V ±5%	18 pF	1	C206
04IHG2200000	CER NPO	50V ±5%	22 pF	1	C104
04IHG8200000	CER NPO	50V ±5%	82 pF	3	C110,C204,C207
04IHG1210000	CER NPO	50V ±5%	120 pF	1	C111
04IHG1510000	CER NPO	50V ±5%	150 pF	2	C105,C106
04IHG2210000	CER NPO	50V ±5%	220 pF	1	C109
04IHG2710000	CER NPO	50V ±5%	270 pF	3	C123,C124,C205
04IHH2700000	CER NPO	50V ±10%	27 pF	1	C242
04JIH1020000	MYLAR	100V ±10%	1000 pF	1	C127
04JIH1040000	MYLAR	100V ±10%	0.1 uF	1	C118
05CDC1R00000	CARBON FILM 1/4W 5%		1 Ohm	1	R601
05CDC0220000	CARBON FILM 1/4W 5%		22 Ohm	4	R145,R234,R236,R334
05CDC0820000	CARBON FILM 1/4W 5%		82 Ohm	2	R105,R114
05CDC1000000	CARBON FILM 1/4W 5%		100 Ohm	6	R110,R118,R140,R209,R241, R246
05CDC1500000	CARBON FILM 1/4W 5%		150 Ohm	3	R120,R129,R130
05CDC1800000	CARBON FILM 1/4W 5%		180 Ohm	1	R109
05CDC2000000	CARBON FILM 1/4W 5%		200 Ohm	2	R102,R127
05CDC2200000	CARBON FILM 1/4W 5%		220 Ohm	1	R108
05CDC2700000	CARBON FILM 1/4W 5%		270 Ohm	1	R117
05CDC3000000	CARBON FILM 1/4W 5%		300 Ohm	2	R122,R123
05CDC3300000	CARBON FILM 1/4W 5%		330 Ohm	2	R215,R230
05CDC3900000	CARBON FILM 1/4W 5%		390 Ohm	11	R139,R231,R233,R516,R517, R518,R519,R520,R521,R522, R523
05CDC4700000	CARBON FILM 1/4W 5%		470 Ohm	3	R111,R119,R124
05CDC5600000	CARBON FILM 1/4W 5%		560 Ohm	2	R342,R348
05CDC6800000	CARBON FILM 1/4W 5%		680 Ohm	3	R213,R247,R420
05CDC8200000	CARBON FILM 1/4W 5%		820 Ohm	3	R101,R104,R208
05CDC1001000	CARBON FILM 1/4W 5%		1 K	7	R112,R125,R133,R136,R201, R539,R540
05CDC1201000	CARBON FILM 1/4W 5%		1.2 K	4	R148,R218,R240,R536
05CDC1501000	CARBON FILM 1/4W 5%		1.5 K	1	R405
05CDC2201000	CARBON FILM 1/4W 5%		2.2 K	4	R204,R220,R229,R320
05CDC2701000	CARBON FILM 1/4W 5%		2.7 K	2	R403,R537
05CDC3301000	CARBON FILM 1/4W 5%		3.3 K	5	R219,R340,R510,R511,R514
05CDC3901000	CARBON FILM 1/4W 5%		3.9 K	2	R113,R126
05CDC4701000	CARBON FILM 1/4W 5%		4.7 K	12	R216,R235,R237,R304,R319, R325,R343,R425,R512,R513, R515,R525
05CDC5101000	CARBON FILM 1/4W 5%		5.1 K	1	R538
05CDC5601000	CARBON FILM 1/4W 5%		5.6 K	4	R210,R227,R322,R527
05CDC6801000	CARBON FILM 1/4W 5%		6.8 K	4	R132,R134,R202,R228

SATELLITE RECEIVER SR022 Bill of Material DATE: 16-Nov-92

PART NO.	DESCRIPTION			QTY	Reference
01CDM0105001	uP-ASR 01	TMP47C433AN-		1	U502
01CLU0101000	ANALOG MX 2 CHANNEL	CD4053BE		2	U101,U302
01BLA0101000	OP AMP-QUAD	LM324N		2	U301,U304
01BLP0101017	COMPARATOR-DUAL	LM393		1	U401
01BIF0102005	FM IF	LA1260		2	U202,U203
01CLF0101005	AUDIO TUNING PLL	LC7215F		1	U201
01BLR0101017	VOLT REFERENCE 3.6V	TL431CLP		1	VRF1
01BLR1202018	VOLT REGULATOR	LM78L24		1	U404
01BLR0801018	VOLT REGULATOR	LM7805CT		1	U402
01BLR0802018	VOLT REGULATOR	LM7812CT		1	U403
01CDN0102018	SERIAL EEPROM 2K	NM93C56N		1	U501
01CDF1501001	IR TRANSMITTER	TC9012F-011		1	U601
02CAC0013007	TRANSISTOR-NPN	2N3904		20	Q102,Q103,Q105,Q106,Q107, Q110,Q112,Q201,Q202,Q203, Q204,Q302,Q401,Q403,Q405, Q406,Q407,Q501,Q507,Q601
02CDD0012003	TRANSISTOR-NPN	2SD1666S		1	Q402
02AAC0013007	TRANSISTOR-PNP	2N3906		10	Q101,Q104,Q109,Q111,Q301, Q502,Q503,Q504,Q505,Q506
02AAC0033007	TRANSISTOR-PNP	BC327		2	Q408,Q409
03AZZ0001000	DIODE-SIGNAL	1N4148		10	D102,D204,D205,D206,D207, D407,D418,D501,D502,D510
03AZZ0003000	DIODE-SMALL SIGNAL	1SS238		2	D201,D203
03CBD0101000	DIODE-RECTIFIER	1N4001		13	D403,D405,D406,D408,D410, D411,D412,D413,D414,D415, D416,D417,D601
03EAC03R9000	DIODE-ZENER 0.5W	3.90V		1	ZD201
03EAC06R8000	DIODE-ZENER 0.5W	6.80V		1	ZD502
03HZZ0003001	DIODE-VARI-CAP	1SV101		1	VD201
03LZZ0010001	DIODE-INFRARED	TLN105B		1	IR601
04ACI2270006	ELECT 10V +20%	220	uF	3	C103,C108,C121
04ACI4770006	ELECT 10V +20%	470	uF	3	C120,C128,C405
04AEI1060006	ELECT 16V +20%	10	uF	17	C112,C114,C117,C119,C122, C125,C126,C129,C218,C315, C316,C317,C318,C319,C325, C332,C517
04AEI2260006	ELECT 16V +20%	22	uF	7	C307,C322,C323,C324,C327, C328,C345
04AEI4760006	ELECT 16V +20%	47	uF	4	C231,C237,C339,C603
04AEI1070006	ELECT 16V +20%	100	uF	5	C107,C113,C130,C245,C404
04AEI2270006	ELECT 16V +20%	220	uF	1	C101
04AEI2280006	ELECT 16V +20%	2200	uF	1	C415
04AFI2280006	ELECT 25V +20%	2200	uF	1	C403
04AGI2270006	ELECT 35V +20%	220	uF	1	C408
04AGI1080006	ELECT 35V +20%	1000	uF	1	C402
04AHI2240006	ELECT 50V +20%	0.22	uF	1	C511
04AHI3340006	ELECT 50V +20%	0.33	uF	1	C413
04AHI4740006	ELECT 50V +20%	0.47	uF	1	C516
04AHI1050006	ELECT 50V +20%	1	uF	2	C219,C515
04AHI2250006	ELECT 50V +20%	2.2	uF	1	C321
04AHI2270006	ELECT 50V +20%	220	uF	1	C409
04FEI1040000	CER Y5V 16V +20%	0.1	uF	1	C213
04FEM1040000	CER Z5U 16V +80-20%	0.1	uF	8	C115,C320,C406,C505,C506, C507,C510,C512
04FHI2720000	CER Z5U 50V +20%	2700	pF	1	C229
04FHI4720000	CER Z5U 50V +20%	4700	pF	1	C235
04FHI4730000	CER Z5U 50V +20%	0.047	uF	2	C503,C504
04FHM1030000	CER Z5V 50V +80-20%	0.01	uF	18	C132,C202,C203,C208,C210, C212,C217,C220,C221,C222,


+5V
+25V
+12V
MCU5V
5V
R502 10K
C501 220P K/B
R503 10K
R540 1K
C514 220P K/B
C513 100P K/B
C519 220P K/B
Q501 2N3904
R504 33K
C502 0.047 Z/F
R505 33K
R506 33K
R507 33K
MD1-3
VIDEO TUNE
D502 1N4148
C503 0.047 M/F
C504 0.047 M/F
C511 0.22 50V
MD1-9
TUNEP AFC
R532 15K
R531 15K
C515 1 50V
C516 0.47 50V
C506 0.1 Z/F 16V
R526 10K
R527 5.6K
R525 4.7K
Q505 2N3906
Q506 2N3906
VR501 VR 10K 065
R524 47K
ZD502 6.8V
R528 22K
C507 0.1 Z/F 16V
R538 5.1K
R537 2.7K
R541 27.4K 1/8W 1%
R542 27.4K 1/8W 1%
R543 73.2K 1/8W 1%
U501
CS
SK
DI
DO
VCC
NC
NC
GND
93C56
C505 0.1 Z/F 16V
R544 27.4K 1/8W 1%
R545 73.2K 1/8W 1%
R508 47K
R509 47K
U502
TMP47C433N
R40
R41
R42
R43
R50
R51
R52
R53
R60
R61
R62
R63
R70
R71
R72
R73
P10
P11
P12
P13
VSS
VDD
P92(CIN)
R91
R90
R83(TI)
R82(/INT1)
R81(T2)
R80(/INT2)
/HOLD(/KEO)
/RESET
XOUT
XIN
TEST
KO3
KO2
KO1
KO0
P23
P22
P21
P20
C512 0.1 Z/F 16V
R529 47K
R547 47K
R530 73.2K 1/8W 1%
STEREO/MONO
Q507 2N3904
EXP ON
SW1
R548 73.2K 1/8W 1%
D501 1N4148
C510 0.1 Z/F 16V
HSYNC
X501 4.194304MHz CRYSTAL
C509 33P K/SL
C508 33P K/SL
CLOCK
DATA
PERIOD
PLL ENB
POWER ON
LNBA/B
H/V
AUDIO MUTE
VIDEO MUTE
R535 10K
R546 73.2K 1/8W 1%
CN10-1
CN10-5
R510 3.3K
R511 3.3K
R514 3.3K
Q502 2N3906
Q503 2N3906
Q504 2N3906
C517 10 16V
R512 4.7K
R513 4.7K
R515 4.7K
R516
R517
R518
R519
JP503
JP504
R520
R521
R522
R523
LED501A
LED501B
TOD-5261BR
LNB.A LED502
LNB.B LED503
POL.H LED504
POL.V LED505
STEREO (PWR) LED506
A B C D E F G DP
R516-R523 390 X 8
D510 1N4148
R536 1.2K
LED507
STD BY
R539 1K
MD3
SBX1610-52
PCB1 MAIN P.I
CN10 ARRAY 60mm 15
PCB2 DISPLAY
SW2 CH.UP
SW3 CH.DN.
JPS01
JPS02
JUMPER
JP3 JP4
SHORT OPEN
OPEN SHORT
D28
STEREO
POWER ON
JUMPER
JP1 JP2
CHANNEL NO.
SHORT SHORT 50
SHORT OPEN 75
OPEN SHORT 99
OPEN OPEN UNDEF.
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SR 022
Size B
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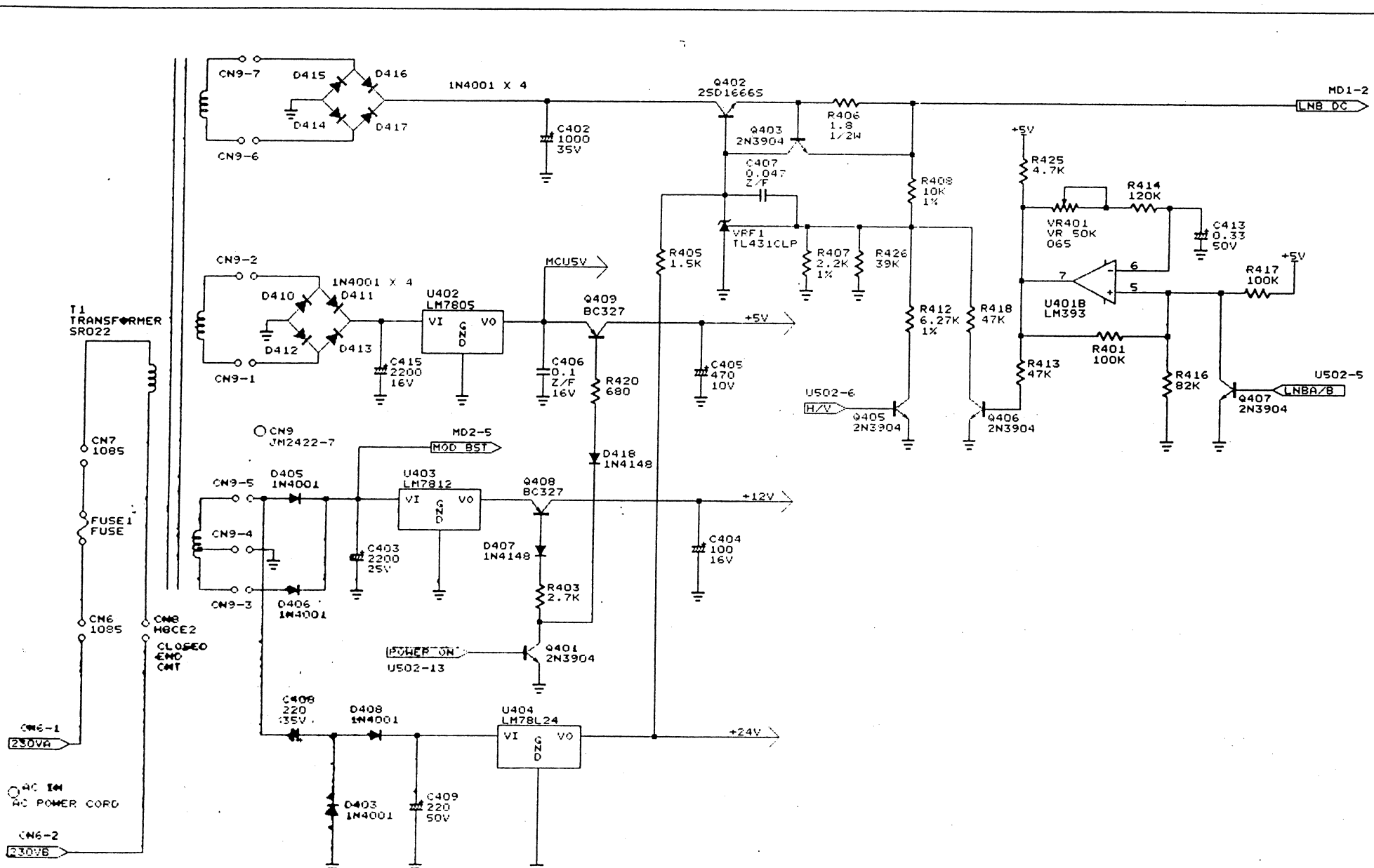
REV 1
Date: November 9, 1992
Sheet 5 of 6



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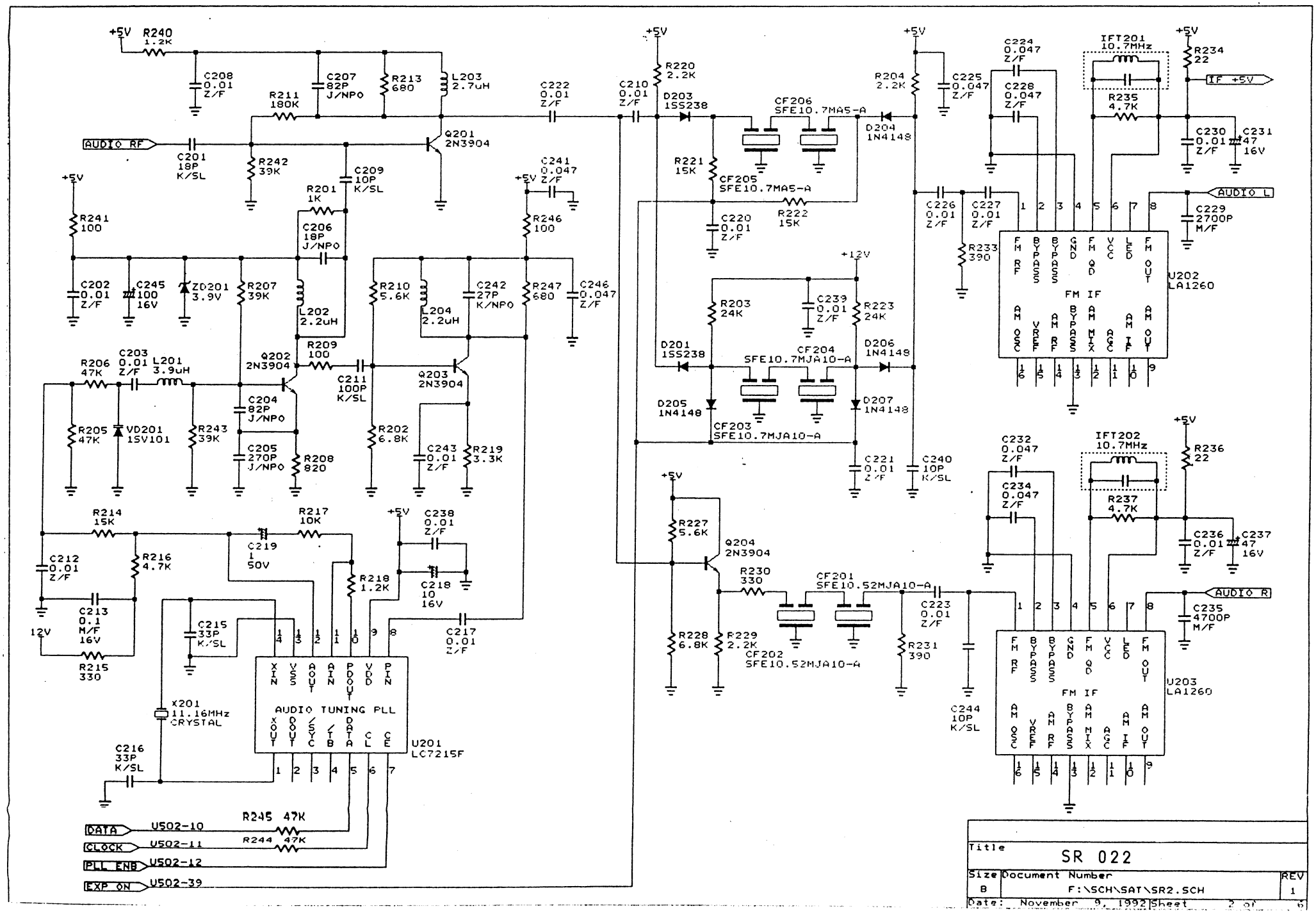
Date: November 10, 1992	Sheet 4 of 6	


+5V
R240 1.2K
C208 0.01 Z/F
C207 82P J/NPO
R213 680
L203 2.7uH
C222 0.01 Z/F
C210 0.01 Z/F
R220 2.2K
D203 1SS238
CF206 SFE10.7MA5-A
D204 1N4148
R204 2.2K
C225 0.047 Z/F
C224 0.047 Z/F
C228 0.047 Z/F
IFT201 10.7MHz
R235 4.7K
R234 22
IF +5V
C230 0.01 Z/F
C231 47 16V
R211 180K
AUDIO RF
C201 18P K/SL
R242 39K
C209 10P K/SL
Q201 2N3904
R201 1K
C206 18P J/NPO
C241 0.047 Z/F
R246 100
R241 100
C202 0.01 Z/F
C245 100 16V
ZD201 3.9V
R207 39K
L202 2.2uH
R210 5.6K
L204 2.2uH
C242 27P K/NPO
R247 680
C246 0.047 Z/F
C203 0.01 Z/F
L201 3.9uH
R206 47K
Q202 2N3904
R209 100
C211 100P K/SL
Q203 2N3904
C204 82P J/NPO
R205 47K
VD201 1SV101
R243 39K
C205 270P J/NPO
R208 820
R202 6.8K
C243 0.01 Z/F
R219 3.3K
R214 15K
R217 10K
C219 1 50V
C238 0.01 Z/F
C218 10 16V
C212 0.01 Z/F
R216 4.7K
C213 0.1 M/F 16V
R215 330
12V
C215 33P K/SL
C217 0.01 Z/F
X201 11.16MHz CRYSTAL
C216 33P K/SL
XIN VSS AOUT AIN PDOUT VDD PIN
AUDIO TUNING PLL
XOUT DOUT VSYC SIB DATA CL CE
U201 LC7215F
R245 47K
R244 47K
DATA U502-10
CLOCK U502-11
PLL ENB U502-12
EXP ON U502-39
R221 15K
CF205 SFE10.7MA5-A
R222 15K
C220 0.01 Z/F
C226 0.01 Z/F
C227 0.01 Z/F
R233 390
AUDIO L
C229 2700P M/F
FM RF BYPASS BYPASS GND FM QD VCC LED FM OUT
FM IF
AM OSC VREF AM RF AM MIX AGC AM IF AM OUT
U202 LA1260
+12V
R203 24K
C239 0.01 Z/F
R223 24K
D201 1SS238
CF204 SFE10.7MJA10-A
D206 1N4148
D205 1N4148
D207 1N4148
CF203 SFE10.7MJA10-A
C221 0.01 Z/F
C240 10P K/SL
R227 5.6K
Q204 2N3904
R230 330
CF201 SFE10.52MJA10-A
C223 0.01 Z/F
R228 6.8K
R229 2.2K
CF202 SFE10.52MJA10-A
R231 390
C244 10P K/SL
C232 0.047 Z/F
C234 0.047 Z/F
IFT202 10.7MHz
R237 4.7K
R236 22
C236 0.01 Z/F
C237 47 16V
AUDIO R
C235 4700P M/F
U203 LA1260
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Date: November 9, 1992
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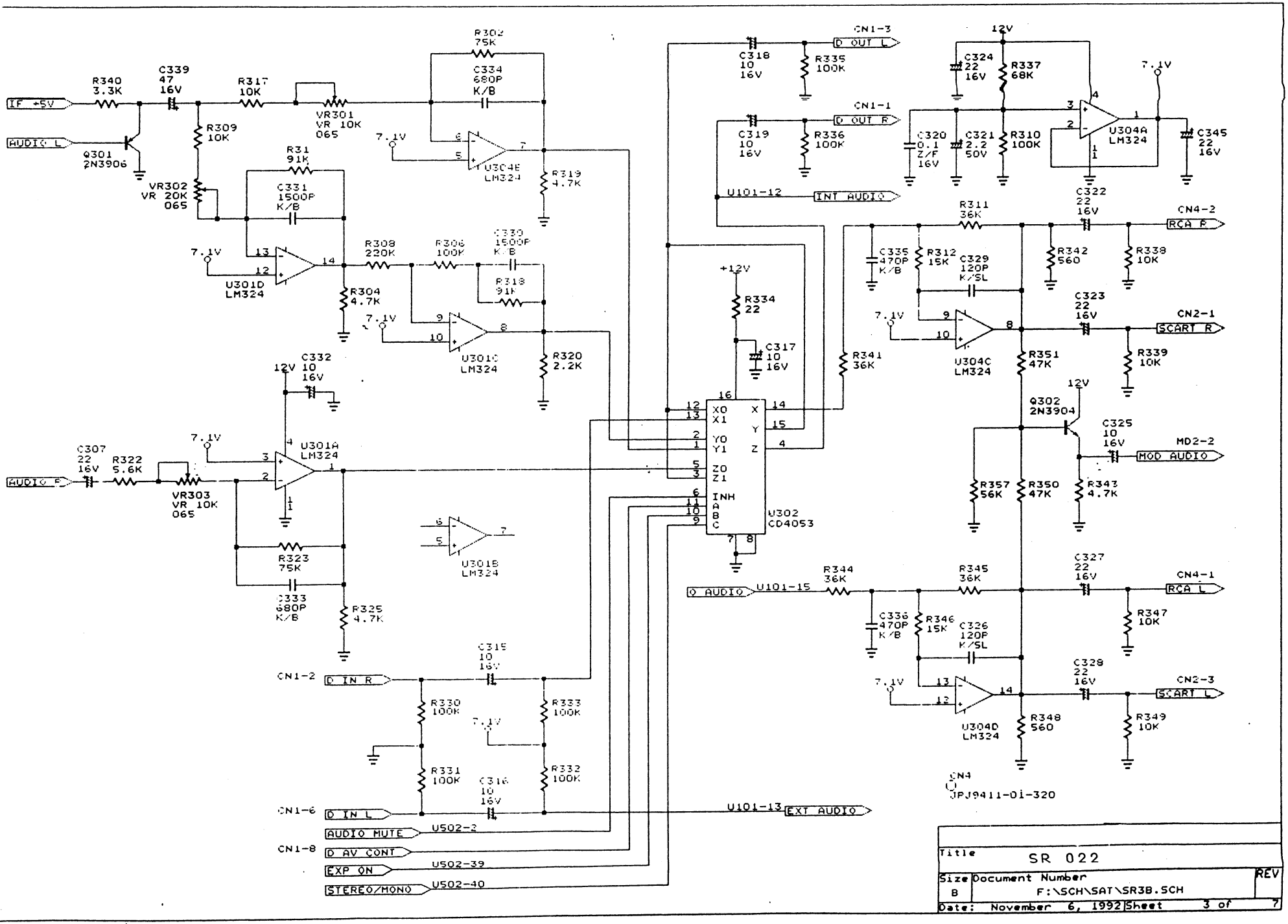
IF +5V
AUDIO L
AUDIO R
R340 3.3K
C339 47 16V
R317 10K
R309 10K
VR301 VR 10K 065
VR302 VR 20K 065
VR303 VR 10K 065
Q301 2N3906
R302 75K
C334 680P K/B
R31 91K
C331 1500P K/B
R308 220K
R306 100K
C330 1500P K/B
R318 91K
R304 4.7K
R319 4.7K
R320 2.2K
U301D LM324
U304B LM324
U301C LM324
U301A LM324
U301B LM324
7.1V
12V
C332 10 16V
C307 22 16V
R322 5.6K
R323 75K
C333 680P K/B
R325 4.7K
C315 10 16V
C316 10 16V
R330 100K
R331 100K
R333 100K
R332 100K
CN1-2
D IN R
CN1-6
D IN L
AUDIO MUTE
U502-2
CN1-8
D AV CONT
EXP ON
U502-39
STEREO/MONO
U502-40
+12V
R334 22
C317 10 16V
U302 CD4053
X0
X1
Y0
Y1
Z0
Z1
INH
A
B
C
X
Y
Z
R341 36K
CN1-3
D OUT L
C318 10 16V
R335 100K
CN1-1
D OUT R
C319 10 16V
R336 100K
U101-12
INT AUDIO
C324 22 16V
R337 68K
C320 0.1 Z/F 16V
C321 2.2 50V
R310 100K
U304A LM324
C345 22 16V
C322 22 16V
R311 36K
C335 470P K/B
R312 15K
C329 120P K/SL
R342 560
R338 10K
CN4-2
RCA R
C323 22 16V
U304C LM324
R351 47K
R339 10K
CN2-1
SCART R
Q302 2N3904
C325 10 16V
MOD AUDIO
MD2-2
R357 56K
R350 47K
R343 4.7K
D AUDIO
U101-15
R344 36K
R345 36K
C336 470P K/B
R346 15K
C326 120P K/SL
C327 22 16V
R347 10K
CN4-1
RCA L
C328 22 16V
U304D LM324
R348 560
R349 10K
CN2-3
SCART L
U101-13
EXT AUDIO
CN4
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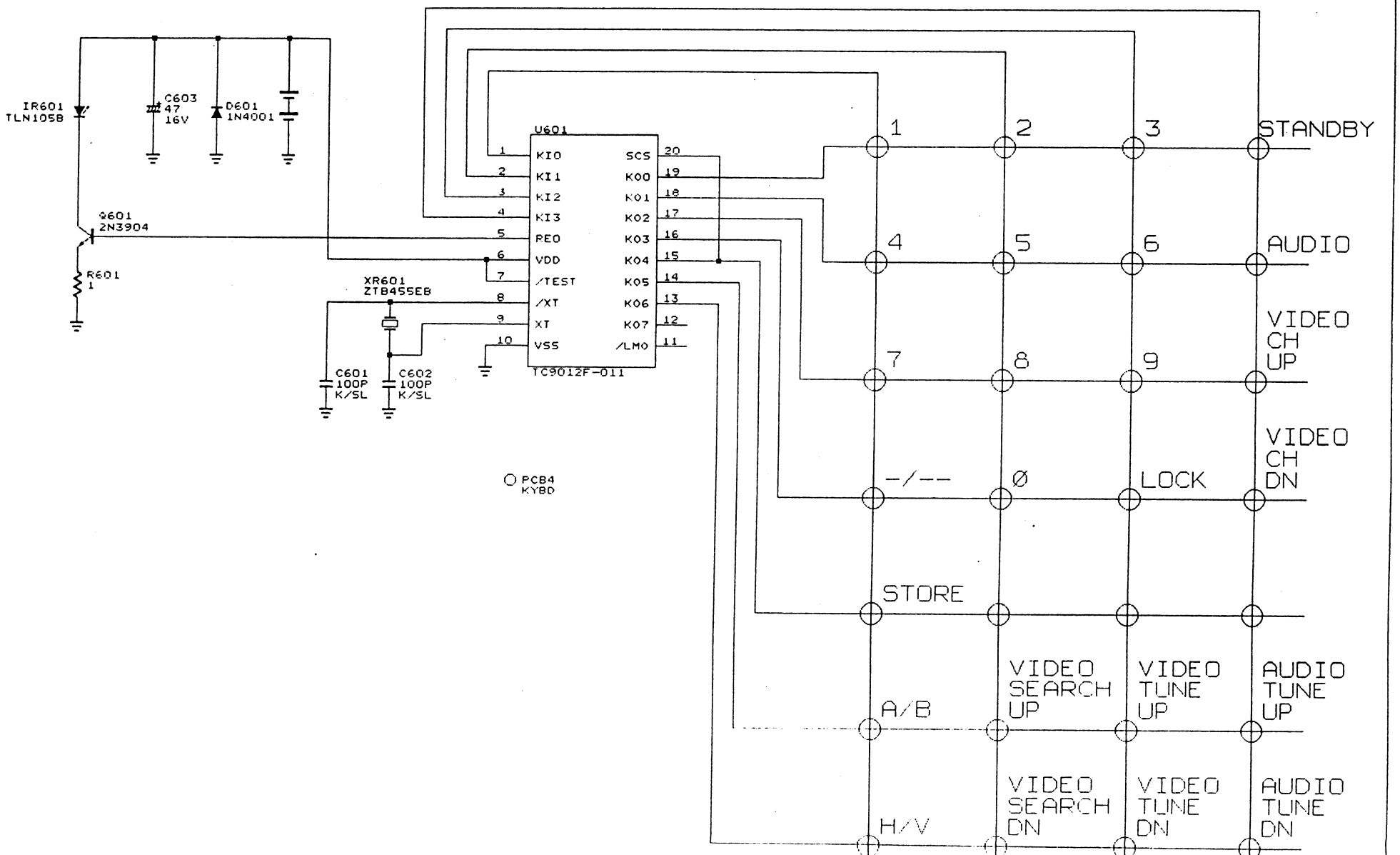
REV
Date: November 6, 1992
Sheet 3 of 7



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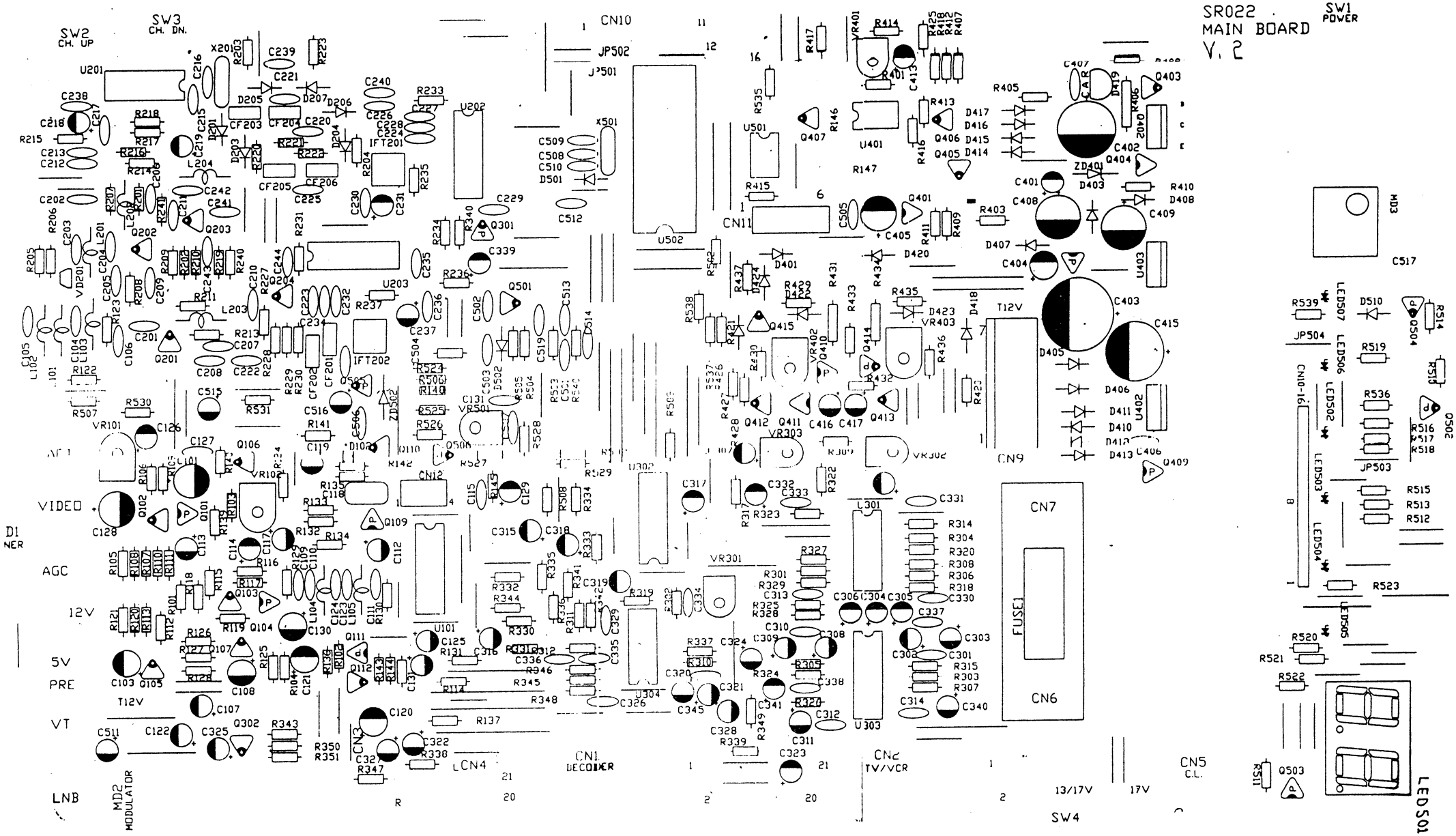
Date: October 27, 1992	Sheet 6 of	


SR022
MAIN BOARD
V. 2
SW1
POWER
SW2
CH. UP
SW3
CH. DN.
CN10
JP502
JP501
CN11
CN12
CN1
DECODER
CN2
TV/VCR
CN3
CN4
CN5
C.L.
CN6
CN7
CN9
SW4
FUSE1
VIDEO
AGC
12V
5V
PRE
T12V
VT
LNB
MD2
MODULATOR
D1
NER
13/17V
17V
LED501
LED502
LED503
LED504
LED505
LED506
LED507
JP503
JP504
MD3
C517
U201
U202
U203
U301
U302
U303
U304
U401
U402
U403
U501
U502
IFT201
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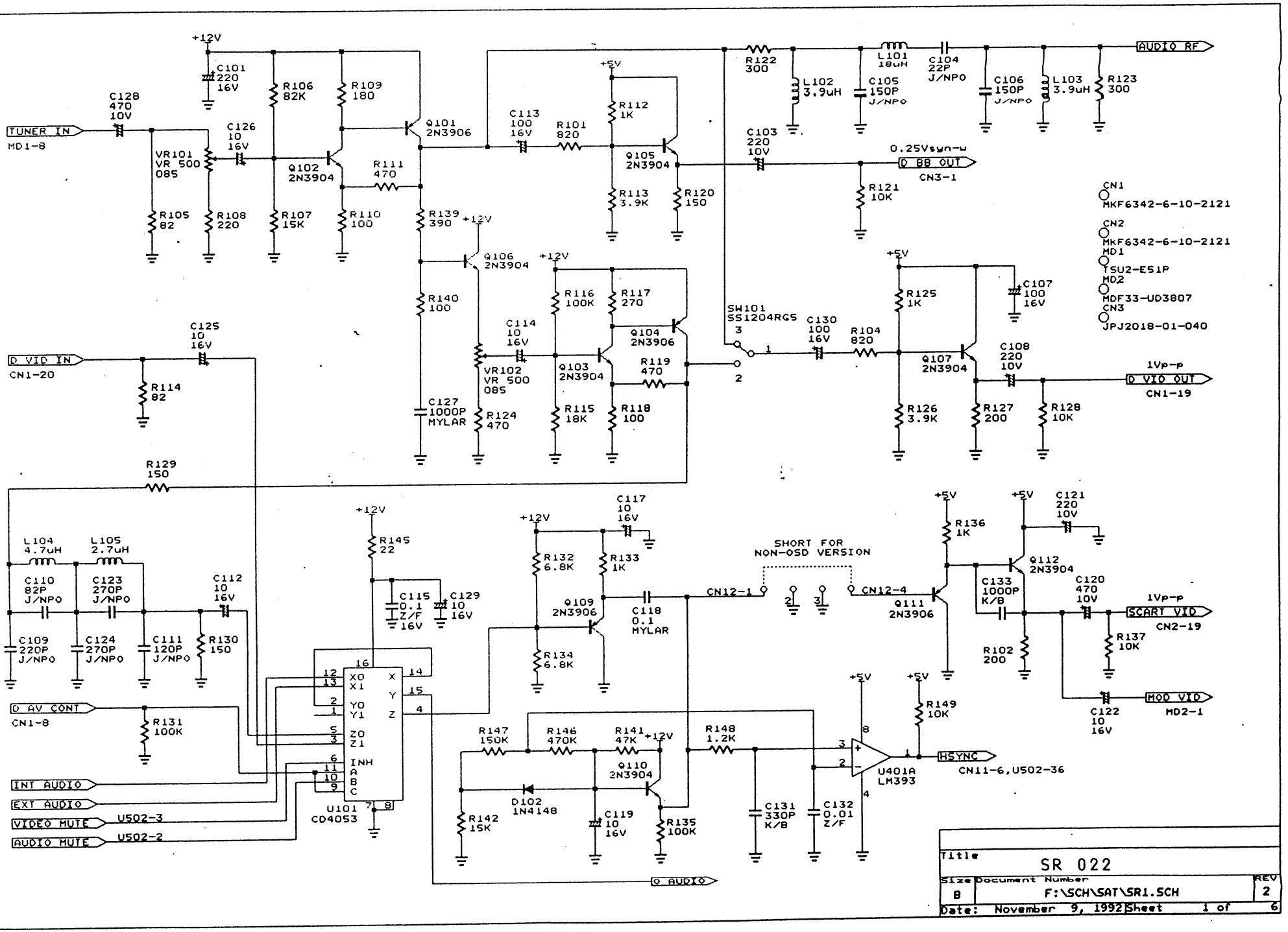
VR401
VR402
VR501
ZD401
ZD502
X201
X501


TUNER IN
MD1-8
C128 470 10V
C101 220 16V
C126 10 16V
VR101 VR 500 085
R105 82
R108 220
R106 82K
R107 15K
R109 180
R110 100
Q101 2N3906
Q102 2N3904
R111 470
R139 390
Q106 2N3904
R140 100
C127 1000P MYLAR
R124 470
C113 100 16V
R101 820
R112 1K
R113 3.9K
Q105 2N3904
R120 150
R122 300
L102 3.9uH
C105 150P J/NPO
L101 18uH
C104 22P J/NPO
C106 150P J/NPO
L103 3.9uH
R123 300
AUDIO RF
C103 220 10V
0.25Vsyn-w
D BB OUT
CN3-1
R121 10K
CN1
MKF6342-6-10-2121
CN2
MKF6342-6-10-2121
MD1
TSU2-E51P
MD2
MDF33-UD3807
CN3
JPJ2018-01-040
D VID IN
CN1-20
C125 10 16V
R114 82
C114 10 16V
VR102 VR 500 085
R116 100K
R117 270
Q104 2N3906
Q103 2N3904
R119 470
R115 18K
R118 100
SW101 SS1204RGS
C130 100 16V
R104 820
R125 1K
C107 100 16V
Q107 2N3906
C108 220 10V
1Vp-p
D VID OUT
CN1-19
R126 3.9K
R127 200
R128 10K
R129 150
L104 4.7uH
L105 2.7uH
C110 82P J/NPO
C123 270P J/NPO
C112 10 16V
C109 220P J/NPO
C124 270P J/NPO
C111 120P J/NPO
R130 150
D AV CONT
CN1-8
R131 100K
INT AUDIO
EXT AUDIO
VIDEO MUTE
U502-3
AUDIO MUTE
U502-2
U101 CD4053
R145 22
C115 0.1 Z/F 16V
C129 10 16V
C117 10 16V
R132 6.8K
R133 1K
Q109 2N3906
C118 0.1 MYLAR
R134 6.8K
CN12-1
SHORT FOR NON-OSD VERSION
CN12-4
Q111 2N3906
R136 1K
Q112 2N3904
C121 220 10V
C133 1000P K/B
C120 470 10V
1Vp-p
SCART VID
CN2-19
R102 200
R137 10K
C122 10 16V
MOD VID
MD2-1
R147 150K
R146 470K
R141 47K
Q110 2N3904
D102 1N4148
R142 15K
C119 10 16V
R135 100K
R148 1.2K
C131 330P K/B
C132 0.01 Z/F
U401A LM393
R149 10K
HSYNC
CN11-6,U502-36
O AUDIO
Title
SR 022
Size B
Document Number F:\SCH\SAT\SR1.SCH
REV 2
Date: November 9, 1992
Sheet 1 of 6

SATELLITE RECEIVER SR022 Bill of Material DATE: 16-Nov-92

PART NO.	DESCRIPTION		QTY	Reference
82NBS0010310	BOTTOM CABINET	ASR1	1	
82NBS0010400	KNOB-CHANNEL UP/DOWN	ASR1	1	
82NBS0010500	KNOB-POWER	ASR1	1	
82NBS0010600	MTG HOLDER	ASR1	2	
82NBS0010700	REMOTE TOP CABINET	ASR1	1	
82NBS0010800	REMOTE BOTTOM CABINET	ASR1	1	
82NBS0010900	REMOTE BATTERY DOOR	ASR1	1	
82NBS0011000	SCREW-DRIVER	ASR1	1	ACCESSORY

SATELLITE RECEIVER SR022 Bill of Material DATE: 16-Nov-92

PART NO.	DESCRIPTION		QTY	Reference
05CDC1002000	CARBON FILM 1/4W 5%	10 K	15	R121,R128,R137,R149,R217, R309,R317,R338,R339,R347, R349,R502,R503,R526,R535
05CDC1502000	CARBON FILM 1/4W 5%	15 K	9	R107,R142,R214,R221,R222, R312,R346,R531,R532
05CDC1802000	CARBON FILM 1/4W 5%	18 K	1	R115
05CDC2202000	CARBON FILM 1/4W 5%	22 K	1	R528
05CDC2402000	CARBON FILM 1/4W 5%	24 K	2	R203,R223
05CDC3302000	CARBON FILM 1/4W 5%	33 K	4	R504,R505,R506,R507
05CDC3602000	CARBON FILM 1/4W 5%	36 K	4	R311,R341,R344,R345
05CDC3902000	CARBON FILM 1/4W 5%	39 K	4	R207,R242,R243,R426
05CDC4702000	CARBON FILM 1/4W 5%	47 K	14	R141,R205,R206,R244,R245, R350,R351,R413,R418,R508, R509,R524,R529,R547
05CDC5602000	CARBON FILM 1/4W 5%	56 K	1	R357
05CDC6802000	CARBON FILM 1/4W 5%	68 K	1	R337
05CDC7502000	CARBON FILM 1/4W 5%	75 K	2	R302,R323
05CDC8202000	CARBON FILM 1/4W 5%	82 K	2	R106,R416
05CDC9102000	CARBON FILM 1/4W 5%	91 K	2	R315,R318
05CDC1003000	CARBON FILM 1/4W 5%	100 K	13	R116,R131,R135,R306,R310, R330,R331,R332,R333,R335, R336,R401,R417
05CDC1203000	CARBON FILM 1/4W 5%	120 K	1	R414
05CDC1503000	CARBON FILM 1/4W 5%	150 K	1	R147
05CDC1803000	CARBON FILM 1/4W 5%	180 K	1	R211
05CDC2203000	CARBON FILM 1/4W 5%	220 K	1	R308
05CDC4703000	CARBON FILM 1/4W 5%	470 K	1	R146
05CFC1R80000	CARBON FILM 1/2W 5%	1.8 Ohm	1	R406
05MBA2742000	METAL FILM 1/8W 1%	27.4K	3	R541,R542,R544
05MBA7322000	METAL FILM 1/8W 1%	73.2K	5	R530,R543,R545,R546,R548
05MDA2201000	METAL FILM 1/4W 1%	2.2 K	1	R407
05MDA6271000	METAL FILM 1/4W 1%	6.27K	1	R412
05MDA1002000	METAL FILM 1/4W 1%	10 K	1	R408
06TAD1040004	VR-TRIMMER FRB-065	10 K	3	VR301,VR303,VR501
06TAD2040004	VR-TRIMMER FRB-065	20 K	1	VR302
06TAD5040004	VR-TRIMMER FRB-065	50 K	1	VR401
06TAD5020104	VR-TRIMMER FRB-085	500 Ohm	2	VR101,VR102
07ABB2290101	INDUCTOR-EC36 10%	2.2 uH	2	L202,L204
07ABA2790101	INDUCTOR-EC36 5%	2.7 uH	2	L105,L203
07ABB3990101	INDUCTOR-EC36 10%	3.9 uH	3	L102,L103,L201
07ABB4790101	INDUCTOR-EC36 10%	4.7 uH	1	L104
07ABB1800101	INDUCTOR-EC36 10%	18 uH	1	L101
08IZN0120017	X'FORMER-IF 10.7 MHz	7M7A161R	2	IFT201,IFT202
08PZV0010016	X'FORMER-POWER	SR022	1	T1
09RAB4550209	RESONATOR 455 KHz	ZTB455EB	1	XR601
09CCB1052701	CER FILTER 10.52MHz	SFE10.52MJA1	2	CF201,CF202
09CCA1072701	CER FILTER 10.7 MHz	SFE10.7MA5-A	2	CF205,CF206
09CCB1072701	CER FILTER 10.7 MHz	SFE10.7MJA10	2	CF203,CF204
10BZA0419402	CRYSTAL 4.194304MHz 30PPM HC49U		1	X501
10BZA1116002	CRYSTAL 11.160MHz 30PPM HC49U		1	X201
12SUA0100001	TUNER	TSU2-E51P	1	MD1
12MGA0100001	MODULATOR	MDF33-UD3807	1	MD2
14STS0011123	PCB MAIN R1(94V0)	ASR1	1	PCB1
14STS0012023	PCB DISPLAY (94V0)	ASR1	1	PCB2
14SGS0013013	PCB KYBD (94HB)	ASR1	1	PCB4
15CFV0500200	FUSE-TRAID 0.50A/250V	50F-0.5A	1	FUSE1
17RRS0205010	LED-2X5mm RECT RED	BL-R1112N	6	LED502,LED503,LED504,LED505, LED506,LED507
17ARM0714020	LED-0.56" DUAL DIGIT	TOD-5261BR	1	LED501

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PART NO.	DESCRIPTION		QTY	Reference
18SSN0002116	JACK-SCART MKF6342-6-10-2121		2	CN1,CN2
18JPN0000143	JACK-RCA JPJ2018-01-040 YELLOW		1	CN3
18JPN0000413	JACK-RCA JPJ9411-01-320 WHITE/RED		1	CN4
19MZN1111012	SWITCH-TACT R 1P1T	KPT1105V	3	SW1,SW2,SW3
19SBN1210021	SWITCH-SLIDE V 1P2T	SS1204RG5	1	SW101
21TTA0000102	CONNECTOR-CLOSED END	H8CE2	1	CN8
21TTA0000112	CONNECTOR-METAL PIN	PRA23601710	2	CN6,CN7
21CZA0000102	CONNECTOR-SLEEVE	1085	1	
21STC5000702	WAFER-JM2422-7	7 PIN	1	CN9
22FCN0601501	ARRAY 60mm/4mm 15P		1	CN10
22PZV0220212	CORD-AC POWER VDE	2.2 M	1	AC IN
22CZN0100220	CABLE-TV ANTENNA	1 M	1	
23WSA0000500	WIRE BARE JUMPER 0.5mm	mm	138	JP501,JP502,JP503,JP504
23WBB0752611	WIRE S- 75-3 1007/26	BLACK	1	
23WRB0752611	WIRE S- 75-3 1007/26	RED	1	
23WWB0902611	WIRE S- 90-3 1007/26	WHITE	1	
23WRB3202222	WIRE S-320-4 1007/22	RED	1	12V
24PPU6010200	PVC FUSE COVER	840620-23	1	FUSE1
26IZS0010004	IR RECEIVER MODULE	SBX1610-52	1	MD3
41FMB2005200	MACHINE F/H M2 X 5 +	BLACK	2	SW101
41FTB3012210	TAPPING F/H T3 X12 +	BLACK	4	FRONT PANEL-3,CN4-1
41PTZ3006220	TAPPING P/H T3 X 6 +	SZINC	7	HEAT SINK-4,TRANSISTOR-3
41UTB3010210	TAPPING U/H T3.0X10 +	TBLACK	5	METAL TOP CABINET
41WTZ3010210	TAPPING W/H T3 X 10 +	ZINC	10	MAIN PCB-5,X'FORMER-4,POWER CORD-1
43PFW3316020	WASHER-FIBRE 3.3x16.0x2.0		1	POWER CORD MOUNTING
46CW03009005	POLYBAG 3.0x 9	ASR1	1	REMOTE
46CW04008005	POLYBAG 4.0x 8		1	RF CABLE
46CW04512005	POLYBAG 4.5x 12		1	POWER CORD
46CW06009505	POLYBAG 6.0x 9.5		1	INSTRUTION
46CW12519005	POLYBAG 12.5x 19 (WARNING/RECYCLE)		1	MAIN UNIT
48NUS0010100	RUBBER-KEYPAD JMSR1309	ASR1	1	
51NBS0010110	INLAY-HANDSET TRIM	SR022	1	
54NZS0010100	CONTACT-SPRING (+/-)	ASR1	1	
54NZS0010200	CONTACT-SPRING (+)	ASR1	1	
54NZS0010300	CONTACT-SPRING (-)	ASR1	1	
55NZS0010110	BRACKET-FUSE HOLDER	05003N	2	
55NBS0010110	TOP CABINET	ASR1	1	
56NBS0010110	HEAT SINK	ASR1	3	
61NES0010100	CARTON (4) WHITE	SR022	0	
63NWS0010100	POLYFOAM END CAP (L)	ASR1	1	
63NWS0020100	POLYFOAM END CAP (R)	ASR1	1	
65NZS0010200	GIFT BOX	SR022	1	
66NZS0010100	INSTRUCTION SEG	SR022	1	
66NZS0010200	GUARANTEE CARD	SR022	1	
66NZS0010300	DBP SHEET	SR022	1	
72NCM0000200	CABLE TIE	K1A94/2.4N	1	TRANSFORMER
81NGG0000100	LABEL-QC PASS	GREEN	1	
81NRG0000100	LABEL-QC PASS	RED	1	
81NDG0000100	LABEL-QC PASS	GOLD	1	
81NTG0000100	LABEL-QC PASS	BLUE	1	
81NYG0000100	LABEL-QC PASS	YELLOW	1	
81NGS0010100	LABEL-GREEN POINT (S)		1	GIFT BOX
81NGS0010200	LABEL-GREEN POINT (L)		0	CARTON
81NWS0010300	LABEL-BACK	SR022	1	
81NWS0010400	LABEL-SERIAL NUMBER	SR022	3	UNIT-1,GIFT BOX-1,GUARANTEE CARD-1
82NBS0010110	FRONT PANEL	ASR1	1	
82NCS0010210	LENS-FRONT PANEL	ASR1	1	